Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/30/2021 09:10 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	121523	-3	7.07	121506	7.14
Blue	F	SSC	125000	122333	-3	7.38	122955	7.42
Blue	E	FITC	14284	13488	-6	7.26 (1)	379	16.22
Blue	D	PE	23919	23047	-4	7.30	550	13.51
Blue	B	PerCP-Cy5-5	31332	30019	-5	7.63	861	18.01
Blue	A	PE-Cy7	22272	21530	-4	9.88	447	34.69
Red	C	APC	47768	46938	-2	4.04	1626	12.97
Red	A	APC-Cy7	25313	24617	-3	4.86	696	13.69
Violet	B	V450	7085	6676	-6	6.88 (2)	469	13.92
Violet	A	V500	26969	25459	-6	6.65	876	10.88

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23151	7.22	593	4	N/A	N/A	Pass
Blue	F	SSC	53337	7.14	526	5	N/A	N/A	Pass
Blue	E	FITC	55	57.02	498	-3	0.0332	0	Pass
Blue	D	PE	104	42.65	496	-1	0.2890	230	Pass
Blue	B	PerCP-Cy5-5	131	45.12	586	-2	0.0151	4	Pass
Blue	A	PE-Cy7	71	88.96	635	0	0.0182	0	Pass
Red	C	APC	332	28.66	582	2	0.0220	125	Pass
Red	A	APC-Cy7	127	37.42	556	1	0.0054	1177	Pass
Violet	B	V450	77	52.46	452	-11	0.0393	1828	Pass
Violet	A	V500	101	34.88	463	-11	0.0192	768	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector E, for Blue Laser is greater than recommended value.
(2) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.43	-31.22	1.19
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	13.91	13.60 - 20.40	N/A	N/A	29.67	29.92	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 12838

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments